DOE Office of Electricity (OE) supported project proposal

Application form for initiating a testing program at Sandia National Laboratories to be supported in part or whole through government funding. Results of projects will be made public as part of this program.

Please provide all requested information and respond to each section. An incomplete form can delay the processing of your registration and possibly impact the consideration of your request. If you do not receive a reply, or if you have any questions regarding the information requested, please send an email to energystorage@sandia.gov

Contact information:

Company Name: _____
Point of contact name: _____
e-mail address: _____
Phone number: _____
Mobile number: _____
Fax number: _____
Mailing address: _____
_____
_____

Are you leaving any portion of the requested information on this form blank that cannot be supplied until a non disclosure agreement is put into place?
☐ YES ☐ NO

If your answer is no, but you will require an NDA prior to working with Sandia, we will contact you at the appropriate time to begin this process if your proposal is considered a candidate. Will you require an NDA prior to working with Sandia?
☐ YES ☐ NO

What services are you interested in? Check all that apply:

- ☐ Exploratory conference call
- ☐ Consulting on use cases
- ☐ Consulting on testing
- ☐ Third party characterization
- ☐ Third party cycle life evaluation

Do you intend for testing to be conducted in the Energy Storage Analysis Lab (ESAL) or at the Energy Storage Test Pad (ESTP)?

- ☐ ESAL
- ☐ ESTP
- ☐ Both
- ☐ Unknown, please advise

The technology is currently at what stage of development:

- ☐ R&D prototype
- ☐ Pre-commercial manufactured
- ☐ Full commercial version,
- ☐ Other (Describe) _____

The type of technology are you are requesting analysis of:

- ☐ Battery
- ☐ Capacitor
- ☐ Flywheel
- ☐ Other (Describe)_____

If a battery: will the technology, be in the format of a:

- ☐ Cell
- ☐ String, module
- ☐ System

Is the system AC, DC or other?

- ☐ AC (If AC answer AC parameters section)
- ☐ DC (Answer DC parameters section

AC Parameters:

Nominal voltage

- ☐ 120 V Single Phase
- ☐ 120/240 V Split Phase
- ☐ 120/208 V Three Phase
- ☐ 277/480 V Three Phase

Configuration: ☐ Delta (Δ) ☐ Wye (Y)

Wire configuration: ☐ 2 wire ☐ 3 wire ☐ 4 wire ☐ 5 wire
AC frequency range (Hz)
Connection type: ☐ Terminal ☐ Pin & Sleeve ☐ Other _____
Is Isolation XFMR required? ☐ Yes ☐ No
If Yes, List Ratings: _____
Is Equipment NRTL Listed? ☐ Yes ☐ No
If Yes, List Agency: _____

DC Parameters
Dc Input Type ☐ Single String ☐ Multi-String ☐ Neg Gnd ☐ Pos Gnd
Maximum DC Input Voltage (VOC) _____
DC Voltage Operating Range (V) _____
DC Minimum Start Voltage (V) _____

What is output voltage range of your device _____
What is the capacity of your device (Ah) _____

System Parameters
Energy (Wh or KWh) _____
What is the maximum current for charge or discharge of your device _____
Does it contain a BMS or active management system ☐ YES ☐ NO
What is/are the proposed application(s) _____

What safety testing has been conducted on the technology?
- ☐ In house (Describe) _____
- ☐ Third party (Describe) _____

If third party safety testing has been done, please attach any resulting report. What is the name of the report and the testing organization?

Please upload (or attach) the battery spec sheet and MSDS below.
- Specification Sheet attached ☐ YES ☐ NO

What percent or dollar amount cost share will your institute or company contribute toward testing or consulting services? Why is this an appropriate level of support given the size and maturity of your company/institute/lab?

Do you currently have any demonstration projects in place with this technology or a previous generation of your system?

Do you have any customers who we can contact to ask about their use of the technology? If so please list.

What internal testing has been carried out on the technology and what is the expected performance in terms of characteristics and expected life?

What testing, if any, would you like to see done, that your facility does not have the capabilities to test in house? If you do not know, indicate that you would like consulting on testing.

Have you previously enlisted third party testing of your technology?

What is the justification for doing testing at Sandia with DOE OE funding? What will the benefits be to you and what are the benefits to the stationary storage community? Why does this testing need to be done at Sandia?

Other notes: (Please provide any information here that you would like to share that has not been provided above or if additional content space is needed for any field above. Attach additional pages if needed):

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